## THE $\rho(770)$

Because of its large width, determination of the parameters of the $\rho(770)$ is beset with many difficulties. In physical-region fits, the line shape does not correspond to a relativistic Breit-Wigner function with a $P$-wave width, but requires some additional shape parameter. This dependence on parametrization was demonstrated long ago by PISUT 68, who showed that the mass was consistent with values between 761 MeV and 783 MeV to within two standard deviations. When mass values are quoted, as below, with one-standard-deviation errors, the conflicts between them are evident.

The same model dependence afflicts any other source of the resonance parameters, such as the energy dependence of the phase shift $\delta_1^1$ or the pole position. It is therefore not surprising that a recent study of $\rho(770)$ dominance in the decays of the $\eta$ and $\eta'$ reveals the need for specific dynamical effects in addition to the $\rho(770)$ pole (BENAYOUN 93).

Recently LAFFERTY 93 has demonstrated that Bose-Einstein correlations are another source of shifts in the $\rho(770)$ line shape.